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Serial Number: 10/705509

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## PALMINTRANET

## Inventor Information for 10/708509

Inventor Name	City	State/Country
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NAJAFI, NADER	ANN ARBOR	MICHIGAN
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IS		US-	20070712	10	MICROFLUIDIC	73/861.352	137/2	Sparks;
0070157739		PGPUB	200,0,12		DEVICE AND	, 0, 001.002		Douglas
.1		1 01 02			METHOD OF			Ray et al.
. •		:			OPERATION			
S		US-	20070705		MICROFLUIDIC	73/204.26	73/202	Sparks;
070151335		PGPUB			DEVICE			Douglas
1 .	<u> </u>				·		·	Ray et al.
S		US-	20070208		METHOD FOR	600/513		Najafi;
070032734		PGPUB			MONITORING A			Nader et al.
					PHYSIOLOGIC			
			•	•	PARAMETER OF			
					PATIENTS WITH	•		
					CONGESTIVE		•	
					HEART FAILURE			
S		US-	20060928		FLUID SYSTEM	137/2	123/445;	Sparks;
060213552		PGPUB			AND METHOD OF		180/338;	Douglas
1		n			ASSESSING A	-	184/6.21;	Ray et al.
					PROPERTY OF A		303/1;	
		•			FLUID FLOWING		60/276	
					THEREIN			
S		US-	20060921		MEDICAL	604/44	604/29;	Sparks;
0060211981		PGPUB			TREATMENT		604/6.09	Douglas
1		•			PROCEDURE AND			Ray et al.
	•				SYSTEM IN WHICH	-		
					BIDIRECTIONAL			
					FLUID FLOW IS	,	·	
·C		TIC	20060810		SENSED	210/121 42		Caralia
S NO60175202		US-	20060810		PROCESS OF	219/121.43		Sparks;
060175303		PGPUB			MAKING A MICROTUBE AND			Douglas
1	,				MICROFLUIDIC			Ray et al.
					DEVICES FORMED			
			THEREWITH					
<u> </u>		US-	20060803		FLUID SENSING	73/202		Sparks;
0060169038		PGPUB	20000803		DEVICE WITH	13/202		Douglas
1		1 01 05	·		INTEGRATED			Ray et al.
1					BYPASS AND			Ray Çt al.
		•			PROCESS			
	ļ				THEREFOR			•
S		US-	20060302		DELIVERY	600/486	:	Ludomirsky
0060047205		PGPUB			METHOD AND			Achiau et al
1					SYSTEM FOR			
					MONITORING			
					CARDIOVASCULAR		•	
		,			PRESSURES			
S		US-	20060223		PROCESS OF	29/592.1	73/204.26;	Sparks;

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US-PGPUB US-PGPUB US-PGPUB	20060119 20051229 20051027 20050616	MICROTUBE AND MICROFLUIDIC DEVICES FORMED THEREWITH Device and method for sensing rheological properties of a fluid MEDICAL TREATMENT SYSTEM AND METHOD DRUG-SPECIFIC FLUID DELIVERY SYSTEM FLUID INFUSION METHOD AND		73/54.01 210/645 73/861.352	210/646; 210/742; 604/4.01; 604/65	Ray et al.  Sparks; Douglas Ray et al.  Sparks, Douglas Ray et al.  Sparks,
US-PGPUB US-PGPUB US-PGPUB	20051229 20051027 20050616	DEVICES FORMED THEREWITH  Device and method for sensing rheological properties of a fluid  MEDICAL TREATMENT SYSTEM AND METHOD  DRUG-SPECIFIC FLUID DELIVERY SYSTEM  FLUID INFUSION METHOD AND		210/645	210/742; 604/4.01;	Douglas Ray et al. Sparks, Douglas Ray et al.
US-PGPUB US-PGPUB US-PGPUB	20051229 20051027 20050616	THEREWITH  Device and method for sensing rheological properties of a fluid  MEDICAL  TREATMENT  SYSTEM AND  METHOD  DRUG-SPECIFIC  FLUID DELIVERY  SYSTEM  FLUID INFUSION  METHOD AND		210/645	210/742; 604/4.01;	Douglas Ray et al. Sparks, Douglas Ray et al.
US-PGPUB US-PGPUB US-PGPUB	20051229 20051027 20050616	Device and method for sensing rheological properties of a fluid MEDICAL TREATMENT SYSTEM AND METHOD DRUG-SPECIFIC FLUID DELIVERY SYSTEM  FLUID INFUSION METHOD AND		210/645	210/742; 604/4.01;	Douglas Ray et al. Sparks, Douglas Ray et al.
US-PGPUB US-PGPUB US-PGPUB	20051229 20051027 20050616	sensing rheological properties of a fluid MEDICAL TREATMENT SYSTEM AND METHOD DRUG-SPECIFIC FLUID DELIVERY SYSTEM FLUID INFUSION METHOD AND		210/645	210/742; 604/4.01;	Douglas Ray et al. Sparks, Douglas Ray et al.
US- PGPUB  US- PGPUB  US- PGPUB	20051027	properties of a fluid MEDICAL TREATMENT SYSTEM AND METHOD DRUG-SPECIFIC FLUID DELIVERY SYSTEM FLUID INFUSION METHOD AND		·	210/742; 604/4.01;	Ray et al. Sparks, Douglas Ray et al.
US-PGPUB US-PGPUB US-	20051027	MEDICAL TREATMENT SYSTEM AND METHOD DRUG-SPECIFIC FLUID DELIVERY SYSTEM FLUID INFUSION METHOD AND		·	210/742; 604/4.01;	Sparks, Douglas Ray et al.
US-PGPUB US-PGPUB US-	20051027	TREATMENT SYSTEM AND METHOD  DRUG-SPECIFIC FLUID DELIVERY SYSTEM  FLUID INFUSION METHOD AND		·	210/742; 604/4.01;	Douglas Ray et al.
US- PGPUB US- PGPUB	20050616	SYSTEM AND METHOD  DRUG-SPECIFIC FLUID DELIVERY SYSTEM  FLUID INFUSION METHOD AND		73/861.352	604/4.01;	Ray et al.
PGPUB US- US-	20050616	METHOD  DRUG-SPECIFIC FLUID DELIVERY SYSTEM  FLUID INFUSION METHOD AND		73/861.352	,	
PGPUB US- US-	20050616	DRUG-SPECIFIC FLUID DELIVERY SYSTEM FLUID INFUSION METHOD AND		73/861.352	604/65	Sparks.
PGPUB US- US-	20050616	FLUID DELIVERY SYSTEM FLUID INFUSION METHOD AND		73/861.352		Sparks.
US- PGPUB US-		SYSTEM FLUID INFUSION METHOD AND		•		· · · · · · · · · · · · · · · · · · ·
PGPUB US-		FLUID INFUSION METHOD AND			i .	Douglas
PGPUB US-		METHOD AND				Ray et al.
US-				73/861.05		Sparks,
·		OXZODIO E				Douglas
·		SYSTEM				Ray et al.
·		THEREFOR				
PGPUB	20050324	Method and anchor for		607/126		Schneider,
		medical implant			· .	Richard Le
		placement, and		•		et al.
		method of anchor				
		manufacture				
US-	20041223	RESONANT TUBE		73/54.41		Sparks,
PGPUB		VISCOSITY				Douglas
		SENSING DEVICE				Ray
US-	20040902	FLUID DELIVERY		604/65	128/DIG.13	Sparks,
PGPUB	·	SYSTEM AND	].			Douglas R.
		SENSING UNIT		•		et al.
		THEREFOR			•	
US-	20030828	FLUID DELIVERY	•	137/814	604/67	Sparks,
PGPUB		SYSTEM AND			-	Douglas
		METHOD				Ray
US-	20030724	Method of forming a		428/615	428/687	Sparks,
PGPUB		reactive material and				Douglas
		article formed thereby		•		Ray
US-	20030703	Micromachined fluid		73/38		Sparks,
PGPUB	, ,	analysis device and			. •	Douglas
		method		•		Ray
US-	20030403	Micromachined fluidic		73/861.355	29/557;	Tadigadapa
PGPUB		apparatus			29/890.14	Srinivas et
						al.
US-	20021226	Integrated microtube		73/204.26		Sparks,
PGPUB		sensing device				Douglas
						Ray
•		•				
		•				
F JH JH JH	PGPUB US- PGPUB US- PGPUB US- PGPUB	PGPUB  US-PGPUB  20030724  20030703  PGPUB  20030403  PGPUB  20021226  PGPUB	THEREFOR  JS- PGPUB  20030828  FLUID DELIVERY SYSTEM AND METHOD  Method of forming a reactive material and article formed thereby  JS- PGPUB  20030703  Micromachined fluid analysis device and method  JS- PGPUB  20030403  Micromachined fluidic apparatus  JS- PGPUB  Integrated microtibe	THEREFOR  US- PGPUB  U	THEREFOR  US- PGPUB  U	THEREFOR US- PGPUB US- PGP

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		·	· · · · · · · · · · · · · · · · · · ·			
JS 20020193818 \1	US- PGPUB	20021219	Process of forming a microneedle and microneedle formed thereby	606/185		Sparks, Douglas Ray
JS 20020185557 A1	US- PGPUB	20021212	Micromachined lysing device and method for performing cell lysis	241/1	241/2; 241/301	Sparks, Douglas Ray
JS 20020151816 A1	US- PGPUB	20021017	Wireless MEMS capacitive sensor for physiologic parameter measurement	600/547		Rich, Collin A. et al.
JS 20020115920 A1	US- PGPUB	20020822	MEMS capacitive sensor for physiologic parameter measurement	600/345	600/485; 600/549	Rich, Collin A. et al.
JS 7228735 32	USPAT	20070612	Fluid sensing device with integrated bypass and process therefor	73/204.26		Sparks; Douglas Ray et al.
JS·7211048 31	USPAT	20070501	System for monitoring conduit obstruction	600/508	600/481; 600/483; 600/485; 600/486; 607/126; 607/60	Najafi; Nader et al.
JS 7059176 32	USPAT	20060613	Resonant tube viscosity sensing device	73/54.41	73/54.01; 73/54.02	Sparks; Douglas Ray
JS 6968743 32	USPAT	20051129	Implantable sensing device for physiologic parameter measurement	73/724		Rich; Collin A. et al.
JS 6942169 32	USPAT	20050913	Micromachined lysing device and method for performing cell lysis	241/1	241/2; 241/301; 435/259; 435/820	Sparks; Douglas Ray
JS 6935010 32	USPAT	20050830	Method of fabricating a micromachined tube for fluid flow	29/592.1	·	Tadigadapa; Srinivas et al.
JS 6932114 <sup>-</sup> 32	USPAT	20050823	Fluid delivery system and method	137/814	604/67	Sparks; Douglas Ray
JS 6926670 32	USPAT	20050809	Wireless MEMS capacitive sensor for physiologic parameter measurement	600/459		Rich; Collin A. et al.
JS 6923625	USPAT	20050802	Method of forming a	417/48	252/181.5;	Sparks;

32			 reactive material and		252/181.6;	Douglas
	i		article formed thereby		257/682; 417/51; 428/660;	Ray
					428/666; 428/672	
JS 6844213 32	USPAT	20050118	Process of forming a microneedle and microneedle formed thereby	438/41	438/42; 438/44; 438/53	Sparks; Douglas Ray
JS 6750521 31	USPAT	20040615	Surface mount package for a micromachined device	257/414	•	Chilcott; Dan W. et al.
JS 6647778 32	USPAT	20031118	Integrated microtube sensing device	73/204.26		Sparks, Douglas Ray
JS 6637257 32	USPAT	20031028	Micromachined fluid analysis device and method	73/38	422/101; 422/255; 422/267; 422/68.1; 436/12; 436/14; 436/15;	Sparks; Douglas Ray
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JS 6499354 31	USPAT	20021231	Methods for prevention, reduction, and elimination of outgassing and trapped gases in micromachined devices	73/723		Najafi; Nader et al.
JS 6477901 31	USPAT	20021112	Micromachined fluidic apparatus	73/861.352		Tadigadapa; Srinivas et al.
JS 6338284 31	USPAT	20020115	Electrical feedthrough structures for micromachined devices and methods of fabricating the same	73/866.1	216/2; 29/25.41; 361/283.4; 73/718; 73/861.47	Najafi; Nader et al.
JS 6338010 31	USPAT	20020108	Multi-sensor module for communicating sensor information	701/1	340/459; 701/33	Sparks; Douglas Ray et al.

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JS 6140144 \		USPAT	20001031		Method for packaging microsensors	438/53	438/106; 438/108; 438/54	Najafi; Nader et al.
JS 6062461 \		USPAT	20000516	•	Process for bonding micromachined wafers using solder	228/123.1	228/124.6; 228/174; 228/208	Sparks, Douglas Ray et al.
JS 6022756 \		USPAT	20000208		Metal diaphragm sensor with polysilicon sensing elements and methods therefor	438/53	9	Sparks; Douglas Ray et al.
JS 5936164 \		USPAT	19990810		All-silicon capacitive pressure sensor	73/724		Sparks; Douglas Ray et al.
JS 5932809 \		USPAT	19990803		Sensor with silicon strain gage	73/727	73/726 .	Sparks; Douglas Ray et al.
JS 5915281 \	·	USPAT	19990622		Silicon force and displacement sensor	73/862.581		Sparks; Douglas Ray
JS 5831162 \		USPAT	19981103		Silicon micromachined motion sensor and method of making	73/504.12		Sparks; Douglas Ray et al.
JS 5719069 \		USPAT	19980217		One-chip integrated sensor process	438/50	148/DIG.135; 438/456; 438/52; 438/53	Sparks; Douglas Ray
JS 5706565 A		USPAT	19980113		Method for making an all-silicon capacitive pressure sensor	29/25.42	-	Sparks; Douglas Ray et al.
JS 5663508 \		USPAT	19970902		Silicon flow sensor	73/861.71	73/861.74	Sparks; Douglas Ray
JS 5547093 A		USPAT	19960820		Method for forming a micromachine motion sensor	438/52	216/2; 216/38	Sparks; Douglas R.
JS 5531121 \		USPAT	19960702	14	Micromachined integrated pressure sensor with oxide polysilicon cavity sealing	73/716	257/E21.218; 257/E21.573; 73/720; 73/721	Sparks; Douglas R. et al.
JS 5427975		USPAT	19950627		Method of micromachining an integrated sensor on	438/52	216/2; 257/E21.218; 257/E21.573;	Sparks; Douglas R. et al.

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			the surface of a silicon wafer		438/53; 438/702; 438/739	
JS 5250837	USPAT	19931005	Method for dielectrically isolating integrated circuits using doped oxide sidewalls	257/519	257/513; 257/517; 257/521; 257/565; 257/622; 257/E21.551; 257/E21.571	Sparks; Douglas R.
JS 5250461	USPAT	19931005	Method for dielectrically isolating integrated circuits using doped oxide sidewalls	438/429	148/DIG.20; 257/E21.149; 257/E21.538; 257/E21.551; 257/E21.571; 438/360; 438/504; 438/973	Sparks; Douglas R.
JS 5213999 \	USPAT	19930525	Method of metal filled trench buried contacts	438/639	257/E21.158; 257/E21.295; 257/E21.396; 257/E21.537; 438/386; 438/678; 438/686	Sparks, Douglas R. et al.
JS 4732874	USPAT	19880322	Removing metal precipitates from semiconductor devices	438/378	257/E21.324; 420/490; 438/310; 438/471; 438/795	Sparks; Douglas R.

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